

This hurricane moved steadily northwestward after the end of June, entered the Gulf of Mexico, and turned westward to the Mexican coast a short distance south of the mouth of the Rio Grande, where it crossed the coastline and disappeared, July 6th.

A fuller discussion of this hurricane will appear in the July REVIEW.

Fog.—June was, as usual, a bad month for fog over the northern part of the Atlantic. Foggiess was reported on more than half the days of the month in several 5° squares between the Grand Banks and Cape Hatteras; on 7 to 13 days over the middle portion of the routes eastward to the 30th meridian and north of the 40th parallel; and on a few days in the region east of that meridian. Fog was reported on 1 or 2 days over mid-ocean between 35° and 40° N., and also on 2 days near the American coast southeast of Hatteras, below latitude 35°.

Trans-Atlantic aviation.—Two noteworthy airplane crossings of the north Atlantic were successfully accomplished in June 1933. The first, in less than 24 hours, and establishing a speed record, was by the veteran American aviator James Mattern, who crossed from New York to a point near Oslo. Charts VIII and IX, for June 3 and 4, show the weather conditions attending this flight.

On June 11th two officers of the Spanish Army—Captain Barberan and Lieutenant Collar—took off from Tablada, Spain, with their objective a nonstop flight to Cuba. They landed on June 12 at Camaguey, having successfully completed the longest trans-Atlantic flight which so far has been made. Charts X and XI, for June 11 and 12 are presented to show the conditions attending this extraordinary venture.

It is noted with regret that these courageous flyers were lost a few days later on their further attempt to cross the Gulf of Mexico from Habana to Mexico City.

OCEAN GALES AND STORMS, JUNE 1933

Vessel	Voyage		Position at time of lowest barometer		Gale began	Time of lowest barometer	Gale ended	Lowest barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Direction and highest force of wind	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Independence Hall, Am. S.S.	New York	Le Havre	40 22 N	70 20 W	June 1	Noon, June 1	June 1	Inches 29.70	NNE	NE, 7	NE	NE, 8	Steady.
Washington, Am.S.S.	Port Arthur	New York	35 28 N	75 12 W	do	do	do	29.70	N	N, 8	NE	N, 8	N-NE.
Elmsport, Am.S.S.	New Orleans	Bremen	46 05 N	29 40 W	May 31	6 p., 1	June 2	29.60	NW	NW, 8	NW	NW, 8	Steady.
Livenza, Ital.S.S.	Gibraltar	New York	41 15 N	54 26 W	June 2	10 a., 2	do	29.67	SW	SW, 8	N	SW, 8	SW-N.
Black Tern, Am.S.S.	Antwerp	Baltimore	49 31 N	26 09 W	June 3	8 p., 3	June 5	29.49	SW	SW, 7	WNW	W, 9	SSW-SW-W.
Quaker City, Am.S.S.	Dundee	Boston	58 07 N	16 10 W	do	10 p., 3	June 4	29.67	S	—, 7	S	S, 9	NW-W.
Excelsior, Am.S.S.	Casablanca	do	39 36 N	49 00 W	June 7	12 midt, 7	June 8	do	SW	SW, 8	NNW	SW, 8	SW-NNW.
Statendam, Du.S.S.	New York	Rotterdam	40 27 N	72 45 W	June 10	4 a., 10	June 10	29.77	S	NW, 11	W	NW, 11	Var.
Caledonia, Br.S.S.	Glasgow	New York	55 30 N	8 00 W	June 17	12mdt, 17	June 18	28.94	WNW	WNW, 9	NW	WNW, 9	Steady.
Liberty Glo, Am.S.S.	Antwerp	Charleston	49 24 N	6 27 W	June 18	6 a., 18	June 20	29.66	NW	NW, 7	WNW	—, 8	Do.
Mar Cantabrico, Span. M.S.	Heulva	Philadelphia	40 38 N	56 48 W	do	7 p., 18	June 18	30.04	SW	SW, 9	SW	SW, 9	Do.
Caledonia, Br.S.S.	Glasgow	New York	55 08 N	21 22 W	June 19	do	June 19	do	NW	do	NW	NW, 8	Steady.
Motocarlina, Belg.M.S.	Aruba	Rotterdam	46 59 N	15 45 W	June 20	2 a., 21	June 22	30.04	NW	NW, 8	NW	NW, 8	Steady.
Darien, Pan.S.S.	Puerto Barrios	Galveston	15 55 N	88 00 W	June 23	3 a., 23	June 23	29.69	SE	SE, 8	SE	SE, 8	Steady.
Persier, Belg.S.S.	Rio de Janeiro	Antwerp	9 04 N	27 20 W	June 25	4 a., 26	June 26	29.86	W	NNW, 7	W	WNW, 7	NNW-W.
Do	do	do	14 56 N	24 52 W	June 27	4 p., 27	June 30	29.92	NNE	NNE, 7	NE	NE, 8	Steady.
Nerissa, Br.S.S.	Demerara	Port of Spain	10 05 N	62 05 W	do	8 p., 27	June 27	29.81	NE	ENE, 8	ESE	ENE, 8	NE-ENE.
Gonzenheim, Ger.S.S.	Cardiff	Newfoundl'd	52 20 N	42 40 W	June 28	8 p., 28	June 29	29.72	S	SW, 8	NW	SW, 8	SW-WSW.
Gulfcrest, Am.S.S.	New York	Las Piedras	13 17 N	69 40 W	June 29	6 a., 29	do	29.10	E	SE, 12	SE	E, 12	NE-E-SE.
Chateau Thierry, U.S. A.T.	Cristobal	San Juan	14 35 N	73 00 W	do	10 p., 29	June 30	29.64	E	SE, 8	E	SE, 8	NNE-SE.
Minnesotan, Am.S.S.	do	New York	16 45 N	75 45 W	June 30	2 p., 30	do	29.78	NE	ENE, 9	ENE	ENE, 9	NE-ENE.
Eastern Sun, Am.S.S.	Los Angeles	Philadelphia	15 50 N	76 10 W	do	3 p., 30	do	29.00	NE	NW, 12	SE	NW, 12	NNW-SW-S.
Mobile City, Am.S.S.	New York	Colon	16 45 N	75 50 W	do	do	do	29.68	E	E, —	S	SE, 9	E-SE-S.
NORTH PACIFIC OCEAN													
Silverguava, Br.M.S.	Manila	Los Angeles	36 15 N	124 42 W	June 2	7 p., June 3	June 3	29.65	SSW	NE, 10	SE	NE, 10	ENE-N.
Fernhill, Nor.M.S.	do	do	26 57 N	130 35 E	do	7 p., 2	do	29.61	SSW	NNE, 8	NE	NNE, 8	SW-W-NNE.
Sangstad, Nor.M.S.	Los Angeles	Yokohama	34 10 N	167 40 E	June 4	7 a., 5	June 7	29.44	SE	SSE	NW	SSE, 8	SSW-W-NW.
Ogura Maru, Jap.M.S.	San Luis, Calif.	do	36 04 N	169 26 E	June 5	4 p., 5	June 5	29.45	SE	S, 6	WSW	SE, 8	SE-S-SW.
Irisbank, Br.M.S.	San Francisco	Manila	23 27 N	137 52 E	June 15	1 p., 15	June 15	29.79	SSW	SW, 8	SW	SW, 8	SSW-SW.
Steel Exporter, Am.S.S.	Hawaiian Islands	Balboa	13 47 N	102 00 W	do	4 a., 15	do	29.65	NE	E, 7	SW	SE, 8	NE-E-SE.
Texas, Am.S.S.	Philippine Islands	San Francisco	33 45 N	151 20 E	June 16	4 a., 17	June 17	29.31	SSE	SSE, 8	W	SW, 8	SE-SW.
Pres. Jackson, Am.S.S.	Honolulu	Yokohama	34 52 N	152 51 E	June 17	5 a., 17	do	29.11	SSE	SSW, 7	NW	S, 8	S-SW.
Hakubasan Maru, Jap.S.S.	Yokohama	Los Angeles	44 23 N	165 52 E	June 19	Noon, 20	June 22	29.32	SSE	SW, 8	W	SW, 8	2 points.
Grays Harbor, Am.S.S.	Philippine Islands	do	39 37 N	174 24 E	June 28	2 p., 28	June 28	29.50	S	SSW, 9	W	SSW, 9	SSW-SW.
Makura, Br.S.S.	Papeete	San Francisco	37 17 N	122 56 W	June 29	4 a., 30	June 30	29.87	NNW	NW, 8	NW	NW, 8	do.

¹ Position approximate.

² Barometer uncorrected.

NORTH PACIFIC OCEAN, JUNE 1933

By WILLIS E. HURD

Atmospheric pressure.—The weather over the greater part of the North Pacific Ocean during June 1933 was notably under the dominance of anticyclonic conditions. Several depressions were observed in Far Eastern waters, where the lowest average pressure of the month occurred,

and several appeared over and south of the Aleutians, especially during the early days and a part of the last decade of the month. Many, however, were noted in the Bering Sea, and it was here and over Alaska that the shallow average center (St. Paul 29.90 and Point Barrow 29.88 inches) of low pressure for the extra-tropical region occurred. Departures from the normal pressures over the ocean were mostly small, as may be seen in the table herewith.